

USPS Pricing Engine SDK

June 23, 2016.

Summary

This is the Domestic and International Pricing Engine SDK (version 11.4.1.0) for the August 28, 2016 Release. The following is a list of Enhancements included in this release.

Note: the database names will be updated for the next release.

BNS 407 – Upgrade PMI Small Flat Rate Box to Air Parcel Stream

Made updates the Pricing Engine to move the PMI Small Flat Rate Boxes and PMI Flat Rate Envelopes to Air Parcel Stream.

USER STORIES:

As an international retail calculator user, and when selecting PMI FRE's and Small FRB's:

1. I want the rate engine to build in all features and extra services currently offered for PMI by weight and the PMI Medium and Large FRB.
2. I no longer want the value capped at a \$400 value.
3. I no longer want the ** footnote or its notation to appear on the International Services page.
4. I want the rate engine to return the PS Form 2976-A customs form and verbiage that matches PMI, PMI Large FRB, and PMI Medium FRB on the Extra Services page.
5. I want the rate engine to include up to \$200 of insurance against loss, damage, or missing contents for items containing merchandise.
6. I want the rate engine to include up to \$100 for items containing nonnegotiable documents.
7. I want the rate engine to permit the purchase of additional merchandise insurance up to the maximum allowed by the destination country but, in any case, no more than \$5,000.
8. I do not want the rate engine to permit the purchase of additional insurance for items selected as nonnegotiable documents.
9. I no longer want the rate engine to return eDelCon as an available extra service, for those countries that currently permit it.
10. I no longer want Certificate of Mailing to be returned as an available extra service.
11. I want the rate engine to continue to use the current price groups being used for the Flat Rate Price Group.
12. I want the rate engine to continue to cap the maximum weight limit at 4 pounds.
13. I do not want the rate engine to return Registered Mail as an extra service.
14. I want the rate engine to allow the purchase of return receipt on the extra services page as permitted by the destination country.

As an international retail calculator user, and when selecting "Global Express Guaranteed® (GXG)":

1. I don't want to see any references to Priority Mail International Flat Rate Envelopes and Small Flat Rate priced boxes in the "***" footnote on the International Services page.

As an international retail calculator user, and when selecting FCMI Large Envelope, FCMI Letter, or FCPIS:

1. I don't want to see any references to Priority Mail International Flat Rate Envelopes and Small Flat Rate priced boxes in the "***" footnote on the International Services page.
2. I no longer want to see "(other than Flat Rate Envelopes or Small Flat Rate Priced Boxes)" referred to on the Customs Form section of the Extra Services page.
3. For FCMI Large Envelope, the item numbered 1) in the Customs Forms section of the Extra Services page should read "1. The envelope contains only nonnegotiable documents" instead of "1. The envelope contains only documents"

BNS 357.2 – Remove Certificate of Mailing from PMI

Updates were made to the Pricing Engine to remove Certificate of Mailing from PMI.

USER STORIES:

As an international Pricing Engine user, and when selecting PMI Large and Medium Flat Rate Boxes:

1. I no longer want Certificate of Mailing to be returned as an available extra service.

Add eVS map 025B6 and 025P6

Added two new Customer Maps for eVS

1001 - FCM Retail Parcel Prices are changing for 1 to 3 ounces

The prices for FCM Retail Parcels for 1, 2, and 3 ounces were updated as specified.

USER STORIES:

As a domestic retail calculator user, I want the price for First-Class Mail retail parcels for each of the first three weight increments 1, 2, and 3 ounces, to be identical as follows:

1. I want the rate engine to display \$2.62 for a 1-ounce FCM retail parcel.
2. I want the rate engine to display \$2.62 for a 2-ounce FCM retail parcel.
3. I want the rate engine to display \$2.62 for a 3-ounce FCM retail parcel.
4. I want the rate engine to display current pricing for weight steps 4-13 ounces.

1002 – Keys and Identification Devices changing for 1 to 3 ounces

The prices for Keys and Identification Devices for 1, 2, and 3 ounces were updated as specified.

USER STORIES:

None provided.

BNS 523 – PMEI to Cuba

PMEI services are now available to Cuba and the child country Isle of Pines. These services include:

Service	Price Group	Weight Limit
PMEI	9	22
PMEI Flat Rate Envelope	8	4
PMEI Legal Flat Rate Envelope	8	4

There are no Extra Services available with any of the PMEI services listed above. Additional details are below in the User Stories.

USER STORIES:

As an international retail calculator user, and when selecting Cuba (includes child "Isle of Pines, West Indies"), I want to add Priority Mail Express International service to include PMEI Parcels, PMEI Flat Rate Envelope, PMEI Legal Flat Rate Envelope & PMEI Padded Flat Rate Envelope:

1. I want the rate engine to build in all features currently offered for PMEI by weight, and for the Flat Rate Envelopes, Legal Flat Rate Envelope, and Padded Flat Rate Envelope.
2. I want the value capped at \$200.
I want the maximum weight limit to be 4 pounds for all PMEI Flat Rate Envelopes.
3. I want the maximum weight limit to be 22 pounds for PMEI parcels.
4. I want country price group 8 prices to be used for all PMEI Flat Rate Envelopes.
5. I want country price group 9 prices used for PMEI parcels.
6. I want a maximum length of 59 inches; and a maximum length plus girth of 108 inches; for PMEI outside of the Flat Rate Envelopes.
7. I DO NOT want there to be a "Guaranteed Delivery Date."
8. I want included insurance up to \$100 for nonnegotiable documents and \$200 for merchandise.
9. I do not want any additional merchandise insurance to be available.
10. I do not want any extra services to be available (including Certificate of Mailing).
11. I want the following to be displayed under the Extra Services table, and before the Customs Form information, to reflect the included insurance for PMEI:
12. "Priority Mail Express International™ (**insert chosen product here**) shipments containing merchandise are insured against loss, damage, or missing contents up to \$200.00 at no additional charge. Priority Mail Express International™ (**insert chosen product here**) shipments containing nonnegotiable documents are insured against loss, damage, or missing contents up to \$100.00 at no additional charge. No additional document reconstruction insurance is available. Insurance coverage is not provided for some items. Consult the International Mail Manual or your local Post Office for detailed information."
13. I want the following customs form information to be displayed on the Extra Services page to read (mirroring the same information provided to other countries that require no customs form for business papers and documents):

CUSTOMS FORM:

- a. Correspondence and business papers.
No form required. Endorse item clearly next to mailing label as BUSINESS PAPERS.
- b. Merchandise samples without commercial value.
PS Form 2976-B placed inside PS Form 2976-E (plastic envelope). (online form)
- c. Merchandise and all articles subject to customs duty.
PS Form 2976-B placed inside PS Form 2976-E (plastic envelope). (online form)
Note: For mailers completing PS Form 2976-B or an online combined shipping label and customs form that electronically transmits customs-related data, no additional customs form is required because customs information is incorporated into the form that the mailer must complete. As such, this customs label (and combined shipping label) may be used for any of the aforementioned items (Items #1, 2, and 3.)

The surface area of the address side of the item to be mailed must be large enough to contain completely the applicable customs form, postage, and any applicable markings, endorsements, and extra service labels.

Lookup a Country's Price group and Limits Tool:

As a Lookup a Country's Price Group and Limits user, and when selecting Cuba (includes child "Isle of Pines, West Indies"):

1. I want to add Priority Mail Express International under the Priority Mail Express International heading.
 - a. Under PMEI, the following should be added under "Show Details":
Dimensions:
Max. length 59", max. length plus girth combined 108"
 - b. Do not include any Maximum Insured Value
 - c. Extra Services:
NONE
2. I want the Price Group to be "9"
3. I want the Expected Delivery Date to read: "3-5 business days to many major markets" (with footnotes 1 and 2)
4. I want the Max Weight to read: 22.00 lbs.

Impact on Existing Applications

You will have to rebuild your applications.

Instructions

1. Copy the DLLs
2. Execute SQL scripts in order shown below or execute the batch files

Note: The batch can be executed with a parameter that specifies the database name.

i.e.: > "Execute Domestic Price Change Updates.bat" "USPS_DOM_2015_APR_2016"

Contents

Description	File
Folder	Database
Folder	Domestic
SQL Script	CR 6402.sql
SQL Script	CR 6788.sql
SQL Script	CR 6791.sql
Batch File	Execute Domestic Price Change Updates.bat
Folder	Customer Maps
SQL Script	CreateClient_eVS_025B6.sql
SQL Script	CreateClient_eVS_025P6.sql
Folder	International
SQL Script	BNS 357.2.sql
SQL Script	BNS 407 - 1.sql
SQL Script	BNS 407.sql
SQL Script	BNS 523.1.sql
Batch File	Execute International Price Change Updates.bat
Folder	Customer Maps
SQL Script	CreateClient_eVS_025B6.sql
SQL Script	CreateClient_eVS_025P6.sql
Folder	Libraries
Rate Engine Framework	RateEngine_Framework.dll
Business Framework	RateEngine_Business.dll
Domestic Business Rate Engine	RateEngine_DomBusiness.dll
International Business Rate Engine	RateEngine_IntlBusiness.dll
Service Delivery Extensions	ServiceDeliveryExtensions.dll
Customs Forms Engine	CustomsFormsEngine.dll
Design Model	Pricing Engine Design Model.pdf
Release Notes	USPS Pricing Engine SDK 11_4_1_0.pdf

Reported Defects

ID	Title	Status
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